

|   |  |   |
|---|--|---|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b> |  | <i>Only for new nonprovisional applications under 37 CFR 1.53(b))</i> |
|   |  | <b>Attorney Docket No.</b> 02104CIP (3600-419-01)                     |
|   |  | <b>First Inventor</b> Robert Mariani                                  |
|   |  | <b>Title</b> A Method of Forming Sintered Valve Metal Material        |
|   |  | <b>Express Mail Label No.</b> EV369584826US                           |

|  |  |   |
|--|--|---|
| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents.</small> |  | <b>ADDRESS TO:</b> Mail Stop Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
|--|--|---|

|  |  |
|--|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><small>(Submit an original and a duplicate for fee processing)</small>  | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)   |
| 2. <input type="checkbox"/> Applicant claims small entity status.<br><small>See 37 CFR 1.27.</small>   | 8. Nucleotide and/or Amino Acid Sequence Submission<br><small>(if applicable, all necessary)</small>   |
| 3. <input checked="" type="checkbox"/> Specification <small>[Total Pages 36]</small><br><small>(preferred arrangement set forth below)</small>   | a. <input type="checkbox"/> Computer Readable Form (CRF)   |
| <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings <small>(if filed)</small></li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> |  |
| 4. <input checked="" type="checkbox"/> Drawing(s) <small>(35 U.S.C. 113)</small> <small>[Total Sheets 3]</small>   | b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> |
| 5. <input checked="" type="checkbox"/> Oath or Declaration <small>[Total Sheets 2]</small>   | c. <input type="checkbox"/> Statements verifying identity of above copies  |
| a. <input checked="" type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))<br><small>(for continuation/divisional with Box 18 completed)</small> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> </li> </ul>  |  |
| 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76   | 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))  |
|  | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <small>(when there is an assignee)</small> <input type="checkbox"/> Power of Attorney  |
|  | 11. <input type="checkbox"/> English Translation Document <small>(if applicable)</small>   |
|  | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations  |
|  | 13. <input checked="" type="checkbox"/> Preliminary Amendment  |
|  | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><small>(Should be specifically itemized)</small>   |
|  | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><small>(if foreign priority is claimed)</small>   |
|  | 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  |
|  | 17. <input type="checkbox"/> Other: .....  |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

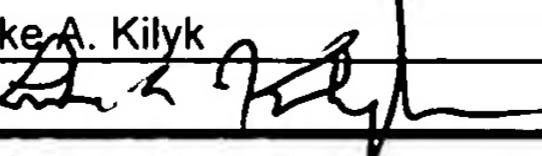
Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

|  |   |           |                |
|--|---|-----------|----------------|
| <input type="checkbox"/> Customer Number or Bar Code Label<br><small>(Insert Customer No. or Attach bar code label here)</small> | or <input checked="" type="checkbox"/> Correspondence address below |           |                |
| Name   | Martha Ann Finnegan, Esq.   |           |                |
| Address  | Cabot Corporation   |           |                |
|  | 157 Concord Road  |           |                |
| City   | Billerica   | State     | MA             |
| Country  | USA   | Telephone | 1-978-670-6198 |
| Zip Code   | 01821-7001  |           |                |
| Fax  | 1-978-670-8027  |           |                |

|                   |  |                                   |        |
|-------------------|--|-----------------------------------|--------|
| Name (Print/type) | Luke A. Kilyk  | Registration No. (Attorney/Agent) | 33,251 |
| Signature         |  |                                   |        |
| Date              | April 21, 2004   |                                   |        |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Donald S. Prater

Name (Print) Signature

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17235  
042104  
U.S. PTO

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,628.00)

## Complete if Known

|                      |                |
|----------------------|----------------|
| Application Number   | Unassigned     |
| Filing Date          | April 21, 2004 |
| First Named Inventor | Robert Mariani |
| Examiner Name        | Unassigned     |
| Art Unit             | Unassigned     |

Attorney Docket No. 02104CIP (3600-419-01)

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None Deposit AccountDeposit Account Number 03-0060  
Deposit Account Name Cabot Corporation

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code     | Fee (\$)     | Fee Code        | Fee (\$) |
| 1001         | 770          | 2001            | 385      |
| 1002         | 340          | 2002            | 170      |
| 1003         | 530          | 2003            | 265      |
| 1004         | 770          | 2004            | 385      |
| 1005         | 160          | 2005            | 80       |
| SUBTOTAL (1) |              | (\$ 770.00)     |          |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | 39 | -20**= | 19 | Extra Claims | Fee from below | Fee Paid |
|--------------------|----|--------|----|--------------|----------------|----------|
| Independent Claims | 9  | - 3**= | 6  | X            | 18.00          | = 342.00 |
| Multiple Dependent |    |        |    | X            | 86.00          | = 516.00 |

| Large Entity | Small Entity | Fee Description  |
|--------------|--------------|--|
| Fee Code     | Fee (\$)     | Fee Description  |
| 1202         | 18           | 2202 9 Claims in excess of 20                                    |
| 1201         | 86           | 2201 43 Independent claims in excess of 3                        |
| 1203         | 290          | 2203 145 Multiple dependent claim, if not paid                   |
| 1204         | 86           | 2204 43 **Reissue independent claims over original patent        |
| 1205         | 18           | 2205 9 **Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) |              | (\$ 858.00)  |

\*\* or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

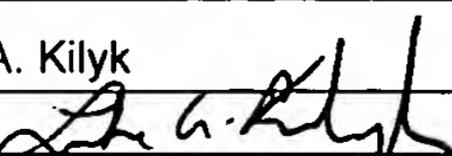
## Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 1051     | 130      | 2051     | 65       | Surcharge - late filing fee or oath  |          |
| 1052     | 50       | 2052     | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053     | 130      | 1053     | 130      | Non-English specification  |          |
| 1812     | 2,520    | 1812     | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804     | 920*     | 1804     | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805     | 1,840*   | 1805     | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251     | 110      | 2251     | 55       | Extension for reply within first month                                     |          |
| 1252     | 420      | 2252     | 210      | Extension for reply within second month                                    |          |
| 1253     | 950      | 2253     | 475      | Extension for reply within third month                                     |          |
| 1254     | 1,480    | 2254     | 740      | Extension for reply within fourth month                                    |          |
| 1255     | 2,010    | 2255     | 1,005    | Extension for reply within fifth month                                     |          |
| 1401     | 330      | 2401     | 165      | Notice of Appeal   |          |
| 1402     | 330      | 2402     | 165      | Filing a brief in support of an appeal                                     |          |
| 1403     | 290      | 2403     | 145      | Request for oral hearing   |          |
| 1451     | 1,510    | 1451     | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452     | 110      | 2452     | 55       | Petition to revive - unavoidable   |          |
| 1453     | 1,330    | 2453     | 665      | Petition to revive - unintentional   |          |
| 1501     | 1,330    | 2501     | 665      | Utility issue fee (or reissue)   |          |
| 1502     | 480      | 2502     | 240      | Design issue fee   |          |
| 1503     | 640      | 2503     | 320      | Plant issue fee  |          |
| 1460     | 130      | 1460     | 130      | Petitions to the Commissioner  |          |
| 1807     | 50       | 1807     | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806     | 180      | 1806     | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021     | 40       | 8021     | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809     | 770      | 2809     | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810     | 770      | 2810     | 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801     | 770      | 2801     | 385      | Request for Continued Examination (RCE)                                    |          |
| 1802     | 900      | 1802     | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

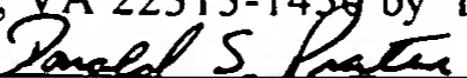
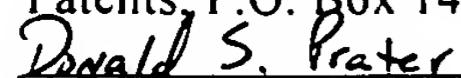
SUBTOTAL (3) (\$)

| SUBMITTED BY      |  | Complete (if applicable)             |        |                          |
|-------------------|--|--------------------------------------|--------|--------------------------|
| Name (Print/Type) | Luke A. Kilyk  | Registration No.<br>(Attorney/Agent) | 33,251 | Telephone 1-540-428-1701 |
| Signature         |  |                                      |        | Date April 21, 2004      |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Name (Print)

Signature